



SECRETARY OF THE AIR FORCE
WASHINGTON

FEB 28 2005

The Honorable Ike Skelton
Ranking Minority Member,
Committee on Armed Services
United States House of Representatives
Washington, DC 20515

Dear Mr. Skelton:

This memorandum responds to your request for the Air Force's FY06 Budget Unfunded Priority List (UPL). The Air Force's FY06 President's Budget request funds our most important requirements, ensuring our Air Force remains ready to defend the nation against both current and future threats. Items on the enclosed list, totaling \$3.0 billion, would complement the President's Budget by providing further enhancements to Air Force capabilities that support the joint warfighter. We are also providing a separate list of Military Construction projects and Science and Technology projects that could be added to our FY06 budget.

We thank you for the opportunity to identify these priorities and appreciate your continued support and assistance.

This letter is also being sent to Senate and House Leadership and to the Chairmen and Ranking Minority Members of Congressional Defense Committees.

Sincerely,

A handwritten signature in black ink, reading "Peter B. Teets".

Peter B. Teets
Acting Secretary of the Air Force

Attachments:

1. AF FY06 UPL List
2. Military Construction Projects
3. Science and Technology Projects

FY06 AF Unfunded Priority List

Priority	Program	FY06 (\$M)	Item Description
1	Advanced Targeting Pods	\$41.0	The Combat Air Force (CAF) is over 100 pods short of the requirement to equip legacy aircraft with next-generation targeting pods and Combatant Commanders have highlighted the need for improved precision sensor and strike capability that the ATP provides. Procures 21 Advanced Targeting Pods in FY06 costing \$41.0M.
2	JSTARS Advanced Radar Mode	\$12.9	Warfighter Rapid Acquisition Program (WRAP) and JSTARS SPO funds (FY04) were used to fund test/install of 4 modes (Fast Scan, Terrain Map, and I&Q recorder, Enhanced Radar Resolution). \$12.9M RDT&E completes test/production/fleetwide-install on remaining 3 S/W modes for 18 jets.
3	C-130 Center Wing Box	\$37.7	Updated SPO engineering analysis in Oct 04 lowered C-130 CWB service life from 60K equivalent baseline hours (EBH) to 45K; with the decreased service life and increased flying requirements, CWB replacements for C-130Hs originally scheduled for FY18 are now needed in FY07. \$37.7M is needed for CWB procurement lead time that takes approximately 18-24 months.
4	Mobile Approach Control System (MACS)	\$51.9	MACS is needed to provide on-going radar approach control service to the warfighters in OEF and OIF. A total of 18 systems will be required to replace the currently fielded systems; funding in FY06/FY07 is budgeted for the first five systems and \$51.9M is needed to provide production funding to pay for systems 6 through 18.
5	LAIRCM	\$97.0	Funds advanced missile warning and directed countermeasures to counter threat from shoulder-launched infrared (IR) guided surface-to-air missiles (SAMs). Funds LAIRCM Lite for 21 C-17s for \$97.0M.
6	C-5 MWS	\$7.7	Provides protection for AMC C-5 aircraft against infrared (IR) guided surface-to-air missiles and corrects obsolescence issues. \$7.7M is needed to fund MWS for the C-5.
7	B-1 Deployable Phase Maintenance Kit	\$34.0	The B-1 operational tempo has been at higher levels while deployed at a forward location since September 03. Current practice requires jets to be rotated from overseas to CONUS for recurring phase maintenance driving higher ops tempo and lower MC-rates; \$34.0M is needed to fund kits that will allow maintenance to be accomplished at forward locations.
8	B-52 Deployable Phase Maintenance Kit	\$52.0	The B-52 operational tempo has been at higher levels while deployed at a forward location since 2001. Current practice requires jets have phase maintenance done at deployed location in austere conditions; \$52.0M is needed to fund kits that will allow maintenance to be accomplished at forward locations.
9	Predator A: Additional Capability	\$360.0	Increases available MQ-1 assets in support of GWOT operations and Future Total Force. \$360.0M funds 29 MQ-1 air vehicles, initial spares and four RSP kits; procures five Containerized Dual Control Station (CDCS) Launch and Recovery Elements (LRE) and one Fixed Ground Control Station (GCS); upgrades two GCS to Multi-Aircraft Control (MAC) capability, procures MAC spares, and retrofits three GCSs for dual control; procures quick reaction capability SIGINT packages for existing MQ-1.; and funds Readiness and Maintenance and MILCON facilities.

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10	Predator B: Acceleration	\$77.5	Adds additional MQ-9 Interim Combat Capability (pre-production configuration). \$77.5M funds procurement of four MQ-9 aircraft with EO/IR (MTS-B) and SAR (Lynx) sensors with initial spares and one RSP kit.
11	B-1 Digital Communication Improvements	\$26.0	Provides Demand Assigned Multiple Access (DAMA)-compliant satellite data access to all B-1s, allowing in-flight mission & target changes / additions. Current non-DAMA system unsupportable beyond FY07; \$26.0M is needed to prevent combat capability loss.
12	Sensor Fuzed Weapon	\$28.2	Adding Extended Range kits to Sensor Fuzed Weapons will provide all of AF's near-precision, standoff anti-armor capability; cost is \$28.2M. OSD/AT&L and PA&E support SFW variant of the WCMD-ER as the AF's only standoff anti-armor capability, satisfying JCIDS-validated requirement.
13	Battlefield Air Operations Kit	\$17.2	The BAO Kit is an integrated Terminal Attack Control (TAC) capability that enables SOF Battlefield Airmen to find, track, fix, target (engage), control aircraft and other weapons assets, and perform battle damage assessment. \$17.2M is needed to fund SECAF-directed spiral development and improvements to the BAO Kit.
14	U-2 SYERS Focal Plane	\$6.8	U-2 SYERS-2 is the USAF's only high-altitude multi-spectral Electro-optical (EO) sensor. Since initial fielding in FY02, the program has experienced the loss of qualified depot repair and vendors for visible focal plane arrays (FPAs); \$6.8M is needed for AF to qualify a new visible FPA vendor and establish depot repair capability to continue operations past FY06.
15	DSP	\$21.0	DSP is a space-based infrared satellite program providing critical missile warning to the President, Secretary of Defense and the Combatant Commanders. \$21.0M funds one additional quarter of support for pre-launch, launch, and early orbit test activities for DSP-23 due to launch slipping from 24 Aug 05 to NET 17 Oct 05.
16	SBSS	\$30.0	Conducts Deep Space and Low Earth Orbit surveillance in order to meet Space Control capstone requirements. \$30.0M is needed to restore ability to purchase long lead hardware to support Assembly, Integration, and Test in FY06 and buy back Block 10 launch from 1QtrFY09 to 1QtrFY08.
17	Theater Deployable Communications (TDC)	\$62.2	Enhances current deployable communications capabilities in support of expeditionary operations and HLD/HLS missions ensuring critical C2, voice, and data connectivity are available for deployed warfighters. \$62.2M is needed to fund TDC requirement.
18	Emergency Responder Personal Protection, Training, and Equip	\$84.5	Warfighters require individual protective equipment (IPE) for CBRN Defense. \$84.5M funds IPE, medical treatment equipment and supplies, decon and detection/identification equipment, and training at 75 installations, as well as, funds CODE SILVER exercises and development of training scenarios at 25 bases, and 25 toxin identification equipment units (ECL) and associated training for 40 students.

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19	Distributed Common Ground System (DCGS) Crew Comm	\$16.0	The AF DCGS weapons system is distributed between 20 sites, in 7 countries, on 3 continents. A new system is needed for current and at least 8 additional operational sites worldwide costing \$16.0M that will eliminate funding shortfall for crew communications to connect all AF DCGS weapon system nodes.
20	Net Centric Collaborative Targeting (NCCT)	\$13.0	NCCT is a leading machine to machine technology that leverages existing ISR capabilities and dramatically improves sensor performance and targeting capabilities for hard to detect hi-priority targets. The FY06 POM only covered core-technology and \$13.0M of additional funding is needed to be able to field NCCT.
21	Rivet Joint Real SIGINT	\$16.6	This is a new development based primarily on INMARSAT service enhancements costing \$16.6M. It affords the RC-135 program an opportunity to meet requirements for real-time dissemination of large data files in the near-term as an interim solution to the fielding of the Future Airborne Terminal (FAB-T) currently set for FY10, allowing real-time multi-agency exploitation of GWOT targets.
22	Small Sat Demo	\$13.5	The TacSat-3/JWS Demo-2 addresses two military problems for \$13.5M: First, as a tactical, responsive satellite system it will provide rapid augmentation and reconstitution of space capabilities. Second, it addresses the lack of on-orbit space assets that can be dedicated to operational and tactical level commanders for integration into theater network-centric operations.
23	Near Space	\$10.4	Exploitation of the Near-Space environment could deliver new capabilities in terms of battlefield communications, ISR, and other uses. Several Near-Space demonstration programs need funding to include a potential theater communication repeater (Combat SkySat I), a recoverable ISR capability (Combat SkySat II), and a maneuverable Near-Space platform for \$10.4M.
24	Cyber Counter Terrorism	\$3.7	10 Feb 1998, DepSecDef, DRID 27, established the joint DoD Computer Forensic Lab and Training Program. It provides critical classified media analysis that protect the warfighter against terrorist groups targeting DoD info systems; \$3.7M will fund a critical need to sustain 10 forensic media analysts and examiners.
25	A-10 DMO Simulators	\$10.0	Provides funding to accelerate A-10 integration into the Distributed Mission Operations (DMO) environment for \$10.0M. Specifically provides two complete Full Mission Trainers (FMT) and 360-degree visual systems for the remaining 5 active duty A-10 FMTs.
26	ACES II Improvements	\$2.8	\$2.8M to develop & modernize integrated life support systems that permit aircrews to maximize weapon system operation throughout the performance envelope. The risks to aircrew protection/survivability increase under high-speed ejections with current ejection seat design.

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27	Range Instrumentation/Threats	\$8.6	Program includes P5 Combat Training System (P5CTS) & Joint Threat Emitter (JTE). Requires \$8.6M in additional FY06 RDT&E funds to continue development of air combat training systems and JTE to keep program on track to meet ops training requirements.
28	Common Data Link (CDL)	\$7.0	Supports CDL plans to upgrade existing waveforms to meet current ASD(NII) requirements for achieving Software Communications Architecture (SCA) compliance for \$7.0M. ASD(NII)'s Radio Frequency Acquisition Policy memorandum, dated 17 Jun 03, mandates that the services develop all waveforms above 2GHz to be in compliance with SCA.
29	COMSEC Equipment	\$4.9	COMSEC supports IFF, GPS, Secure C4ISR and networks, weapons targeting—where ever critical information is disseminated. \$4.9M provides KOV-21 replacement moves for key transfer from manual to net-centric capability, and for Common User Application Software – Advanced Extremely High Frequency (CUAS-AEHF) to ensure access to highly protected MILSATCOM capability.
30	Minuteman MEECN Program (MMP) Spares	\$5.8	Air Force budgeted for MMP spares in FY06 & FY07. Additional MMP spares funding for \$5.8M in FY06 will allow the spares purchase to be completed in FY07, trimming one full year off the planned buy.
31	Combat Flight Inspection Replacement Aircraft (CFIN)	\$29.2	This is a one-time, single aircraft procurement required to maintain all- weather capability at deployed airfields in combat, as well as across the National Airspace System in the US. FAA/Air Force MOA obligates Air Force to fund one of six aircraft; \$29.2M add is required to complete conversion and enhance combat airfield operations in Iraq and Afghanistan
32	CAP LMR for 2008 Narrowband (NTIA) Mandate	\$6.9	CAP LMR users must transition to new equipment or lose ground communications with federal agencies and CAP personnel utilizing their nationwide LMR network. \$6.9M is needed by CAP to procure new LMR handhelds, mobiles and portable repeaters to meet the FY08 mandate.
33	ICBM Propulsion Replacement Program	\$24.5	The Propulsion Replacement Program (PRP) extends the life, maintains the performance, and improves Minuteman III (MMIII) ICBM reliability by remanufacturing all three solid rocket motor stages. PRP is planned as a just in time refurbishment of the solid rocket motors to meet NPR-directed sustainment of MM III through 2020; \$24.5M will fund 601 PRP boosters.
34	Halvorsen Cargo Loaders	\$8.2	Halvorsen cargo loaders replace 1960s vintage 25K loaders and wide-body elevator loaders on a 2-for-1 basis. AMC has replaced 316 loaders by end of FY04 toward requirement of 512; \$8.2M will replace an additional 12 loaders in FY06.
35	NORTHSTAR Ground Entry Point Digital Modem	\$2.2	NORTHSTAR Network is a leased AT&T terrestrial ground-air-ground UHF communications system that provides line of sight communications connectivity within CONUS for E-4B, E-6B and VC 25 Presidential aircraft (Air Force One). FY07 funds are budgeted to digitize E-4B UHF NAOC airborne network equipment, however \$2.2M is needed in FY06 for associated NORTHSTAR network Ground Entry Points for development of a high bandwidth digital modem that will provide added bandwidth to support mission requirements.

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36	Radar Approach Control (RAPCON)/ DASR/DAAS	\$49.5	\$49.5M would fund Digital Airport Surveillance Radar (DASR) and DoD Advanced Automation System (DAAS) for the Radar Approach Control (RAPCON) facilities at Grissom AFB, IN; Sheppard AFB, TX; Seymour Johnson AFB, NC; Cannon AFB, NM; Whiteman AFB, MO; and Minot AFB, ND., and replace a post-production DASR at Eglin AFB, FL. DASR/DAAS replaces Vietnam-era RAPCON systems to support the National Airspace System (NAS)
37	ICBM Propulsion System Rocket Engine (PSRE)	\$3.9	The PSRE program extends the life, maintains the performance, and improves Minuteman III (MMIII) ICBM reliability by refurbishing/replacing several post boost rocket engine components. PSRE is planned as a just in time refurbishment of the rocket engines to meet NPR-directed sustainment of MM III through 2020; \$3.9M of FY06 funds are needed to fully fund PSRE program to ensure its timely completion.
38	Integrated Aircrew Ensemble	\$6.0	\$6.0M to develop & modernize integrated life support systems that permit aircrews to maximize weapon system operation throughout the performance envelope. Currently, aircrews are required to wear numerous pieces of clothing and equipment that decrease mobility, increase fatigue and increase aircrew risk due to increased weight, bulk and thermal burden.
39	Short Dual Rails for MC-130P	\$6.6	MC-130P cargo compartment lacks a dual rails system; limits cargo delivery capability to 4 positions for palletized cargo and 4 bundles for resupply airdrops. \$6.6M is needed for critical MC-130P capabilities to be expanded to include enhanced cargo handling and airdrop to spread tasks over a larger MC-130 fleet and to increase the flexibility of the MC-130P aircraft.
40	Depot Purchased Equipment Maintenance	\$151.3	DPEM funds required depot level maintenance for aircraft, non-PDM aircraft, engines, missiles, mission software, non-MSD exchangeables, other major end items, storage, and area base support and local manufacturing. DPEM requires \$151.3M in additional funding to manage risk in all eight DPEM categories
41	Repair Degraded Airfield Infrastructure	\$511.3	O&M Restoration & Modernization (R&M) funding for airfield infrastructure projects falls into three categories: Airfield Pavements, Airfield Lighting, and Aircraft Arresting Systems. FY06 R&M funding levels for these categories can only support "Critical" R&M requirements; an additional \$511.3M in R&M will fund all "Degraded" airfield infrastructure requirements.
42	AFRC Special Purpose Vehicle Support	\$6.8	Shortfalls currently exist at 13 AFRC bases for the U30 Tow Tractor and Liquid Nitrogen Truck and deicers that are essential vehicles for use in the generation of AFRC aircraft. \$6.8M of additional funding is needed to replace tow vehicles and deicers that are past life expectancy.

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43	ICBM Operator Input Devices	\$8.5	ICBM Rapid Execution and Combat Targeting (REACT) Console Operator Input Devices (OIDs) provide operations crews the means to rapidly retarget and/or rapidly execute MMIII missiles when directed by the President. Original manufacturer no longer provides current system; \$8.5M is needed to procure modified commercial off the shelf (COTS) OIDs and modify all the REACT Consoles to maintain warfighter capability.
44	Eagle Vision (EV)	\$2.6	Eagle Vision is the only commercial satellite receive, processing, and exploitation capability in the DoD capable of deploying and supporting a wide range (broad area, multispectral, hyperspectral) of imagery intelligence requirements (IMINT) for an operational commander. \$2.6M will provide operating funds for South Carolina, Nevada and Hawaii's Eagle Vision systems that were procured through Congressional marks and supplemental requests.
45	Joint Surveillance System	\$4.9	\$4.9M replaces critical 20 year old parts - AN/FPS-117 Radar's OX 60 IFF/SIF beacon, Environmental Control Units (ECU) and Fire Suppression System (FSS). The OX-60 is no longer manufactured and will become non-operational by FY07, the ECUs leak environmentally hazardous Ozone Depleting Compounds and the current FSS has limited capability.
46	AOC Training Suites	\$6.4	Air & Space Operations Center Weapon System (AOC WS) provides automated C2 tools for J/CFACC to plan, execute, report, & assess air/space operations. Current AOC WS has only standardized training through the FTU—initial training; \$6.4M is needed for follow-on training after the FTU—i.e., post mission qualification.
47	C-17 Engine Spares	\$131.0	\$131M provides the C-17 fleet with adequate number of whole engine spares. Wartime flight hour tasking has increased the spares need.
48	F-15E Attrition Reserve	\$130.0	\$130M in FY06 funds will enable the AF to complete procurement of two F-15E aircraft, with delivery in FY08.
49	JSTARS Re-Engining	\$13.5	Congress is concerned that AF is not addressing re-engining quickly/seriously enough; \$13.5M is estimated to be needed for addressing the issue. Current engines rooted in 1960s tech; #1 driver of NMC rates; Not meeting ICAO noise standards and emissions mandates; Poor fuel efficiency, reliability, and maintainability
50	C-9Cs/C-40Cs at Scott	\$40.8	Congress appropriated \$225M for FY05 to procure 3 C-40Cs for Scott AFB. \$40.8M funds Reserve manpower/sustainment for C-9Cs at Scott and supports Contractor Logistics Support (CLS) for C-40C arrival beginning in FY07. Additionally, MILCON funds are requested for a 24k sq/ft CLS parts storage facility (\$3.9M) and 33k sq/ft Sq Ops Bldg (\$9.1M).
51	Procure C-37B	\$60.5	\$60.5M funds procurement of one C-37B for Andrews AFB VIPSAM aircraft fleet.
52	Classified		
Items Below are not prioritized:			

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Priority	Program	FY06 (\$M)	Item Description
53	MILCON	\$854.3	Military Construction (MILCON) program funds the construction, improvement, planning, and design of facilities required for mission beddown and recapitalization of real property.
54	Science and Technology	\$88.9	Adjustment will restore S&T Program to 3 percent real growth as recommended in the Strategic Planning Guidance and regain delays to technology development and demonstration in 8 areas important to future warfighting capabilities
TOTAL:		\$3,154.6	